

ATENT COOPERATION TRE /

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 0113.100	FOR FURTHER see Notification (Form PCT/ISA/	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day-month year)	(Earliest) Prority Date (day/month/year)
PCT/US 99/18394	12/08/1999	12/08/1998
Applicant MAXYGEN, INC.		
This International Search Report has be according to Article 18. A copy is being	een prepared by this International Searching Auth transmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consis	sts of a total of <u>4</u> sheets. by a copy of each prior art document cited in this	report.
Basis of the report With regard to the language, the language in which it was filed. to	ne international search was carried out on the bas unless otherwise indicated under this item.	sis of the international application in the
Authority (Rule 23.1(b))		
was carried out on the basis of contained in the internal filed together with the in turnished subsequently turnished subsequently the statement that the sinternational application the statement that the furnished 2. Certain claims were furnished 4. With regard to the title, the text is approved as	ational application in written form. International application in computer readable form to this Authority in written form. Ito this Authority in computer readble form. Ito this Authority in computer readble form. It is a subsequently furnished written sequence listing dinternation as filed has been furnished. Information recorded in computer readable form is a subsequence in computer readable form in computer readable (See Box I).	n.
5. With regard to the abstract,	s submitted by the applicant.	
H t t bear bear octo	blished, according to Rule 38.2(b), by this Author the date of mailing of this international search re	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.
	published with the abstract is Figure No.	None of the figures.
X because the applicant	failed to suggest a figure. tter characterizes the invention.	

Form PCT/ISA/210 (first sheet) (July 1998)

"TEP" ATIONAL SEARCH REPORT

tional Application No

PCT/US 99/18394

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/82 C12N15/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical search terms used)

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	2.1	
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No
. X	WO 98 31837 A (DELCARDAYRE STEPHEN B; MAXYGEN INC (US); MINSHULL JEREMY (US); NES) 23 July 1998 (1998-07-23) page 28, line 19 -page 31, line 37		1-60
X	WO 98 31816 A (MINSHULL JEREMY S ;SOUZA MERVYN L DE (US); UNIV MINNESOTA (US); SA) 23 July 1998 (1998-07-23) the whole document		1-3,28, 30,35,37
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X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the prinnible or theory underlying the invention		
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority_claim(s) or	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or			
other means "P" document published prior to the international filing date but later than the priority date claimed			
Date of the actual completion of the international search	Date of mailing of the international search report		
28 January 2000	11/02/2000		
Name and mailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Maddox, A		

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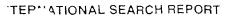
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